



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF AIR QUALITY

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SCANNED

DAQE-181-01

DENNIS _____
WES _____
JERRY _____
BROOK _____
COLLEEN _____
FILE _____

March 8, 2001

S. Gale Chapman, President
Intermountain Power Service Corporation
850 West Brush Wellman Rd
Delta, Utah 84624-9546

Dear Mr. Chapman:

Re: EXPERIMENTAL APPROVAL ORDER TO TEST BURN COKE BREEZE WITH COAL AT THE
INTERMOUNTAIN GENERATING STATION LOCATED IN MILLARD COUNTY, UTAH CDS-A,
ATTAINMENT AREA, TITLE V
PROJECT CODE: N0327-005

Your initial request, dated November 27, 2000, for approval to burn coke breeze was received by the Utah Division of Air Quality (DAQ) on December 5, 2000. In a subsequent letter you requested that it be changed to an Experimental Approval Order (AO) to test burn coke breeze with coal. The request for an Experimental AO was so that Intermountain Power Service Corporation could do tests and acquire the data needed for a modification of the existing AOs and Title V Permit.

Abstract: *The Intermountain Power Project (IPP), has requested approval to burn coke breeze with coal in the main boilers at the Intermountain Generating Station (IGS). The IGS is a coal-fired, steam-electric plant located in Millard County. Intermountain Power Service Corporation (IPSC) intends to trial burn coke breeze with coal to determine burn characteristics and performance parameters in preparation for possible future continuous use as a supplemental fuel. If the test burns using coke breeze are successful, IPSC may submit a Notice of Intent to request approval for the burning of coke breeze on a continuous or permanent basis as a supplemental fuel. IPSC shall submit a report describing the results of the test burns and the results of the Continuous Emission Monitoring during the test burns. The results are expected to be valuable in determining if coke breeze can be used as a viable alternate fuel source.*

The Notice of Intent (NOI) for the above-referenced project has been evaluated and has been found to be consistent with the requirements of the Utah Administrative Code (UAC). However, air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an Experimental AO by the Executive Secretary of the Utah Air Quality Board.

Approval for trial test burning of coke breeze is hereby granted in accordance with Section 19-2-107 (2)(e) of the Utah Air Conservation Act under the following conditions:

1. The trial burn testing of coke breeze shall not be performed more than 120 days from the date of this Experimental AO. Not more than 60,000 tons of coke breeze shall be burned during this 120-day time period.
2. The average quantity of coke breeze blended with coal for use during a test shall not be more than 20%.
3. This Experimental AO does not give approval to violate any conditions that limit emissions of air contaminants and/or opacity limits in the Title V Operating Permit (Permit Number 2700010001).
4. The trial burn testing of coke breeze shall be terminated if the emissions and/or opacity limits listed in the Title V Operating Permit (Permit Number 2700010001) are exceeded and/or if the 30-day rolling average scrubber efficiency for the removal of SO₂ falls below 90%.
5. A Continuous Emissions Monitor shall measure and record the NO_x, SO₂ and opacity emissions of the main boilers during the trial burns of coke breeze. PM₁₀ emissions will be calculated using approved emission factors.
6. An analysis shall be performed for each new source of coke breeze. The analysis shall contain at a minimum the ASTM coal proximate and ultimate analyses.

A report describing the results of the trial burn testing shall be submitted to the Executive Secretary, Utah Air Quality Board, attention New Source Review Section, within 90 days after the project is completed. The report, at a minimum, shall include the emissions measured by the Continuous Emissions Monitors, laboratory analysis of coke breeze characteristics, and emissions of any of the 188 Hazardous Air Pollutants listed in the 1990 Clean Air Act Amendments reasonably expected to be caused from the combustion of the coke breeze.

The Division of Air Quality does not endorse the products, chemicals or equipment used in this Experimental AO.

The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an AO. An invoice will follow upon issuance of the Experimental AO.

If you have any questions on the Experimental AO conditions, please contact Nando Meli at (801) 536-4052.

Sincerely,



Richard W. Sprott Executive Secretary
Utah Air Quality Board

RWS:NM:re

cc: Millard County District Health Department